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19 SEP 1963

MEMORANDUM FOR: Deputy Director (Science and Technology)

SUBJECT: Qualifications Desired for
Deputy Chief, DSD/SI

1. The two basic requirements for the position of Deputy Chief, DSD/SI, are a strong technical academic and experience level and administrative ability. The position will be that of a technical director but, in the absence of the Chief, will also have full administrative responsibility.
2. Technical academic background requires a minimum of a bachelor's degree but preferably an M.S. or Ph.D. The field of interest should be electrical engineering, aeronautical engineering, physics, mechanical engineering, or mathematics (with a strong physical sciences background) in that order of preference. In any case, a strong background in mathematics is essential and desirably would include some study of celestial mechanics.
3. Work experience should include several years in system design problems relating to air defense and/or missile defense systems. Of particular interest is experience in radar detection and tracking related to the guidance of SAM, ABM, or AAM systems. Experience with development of model simulations for computer analysis of components and/or systems is extremely desirable. Such experience should include performance analysis where the defensive system is pitted against the offensive system under various parametric conditions.
4. The Deputy Chief should also have had supervisory experience with a moderate-sized group of persons with varied disciplinary experience. He should have the ability to lead and teach, be dynamic and incisive, use tact, demonstrate initiative and mature judgment, and be able to communicate his ideas both orally and in written form.
5. In light of the temporary nature of the appointment under consideration (minimum of one year and preferably two), I would intend to use such a Deputy primarily in a technical direction

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role and minimize the administrative and external relationship roles. I would, for example, consider it improper for him to prepare fitness reports although his advice would be solicited in the preparation thereof. Similarly, I would use him to a minimum extent in the role of division representative in community committees, etc., except wherein the representation was principally substantive. A major requirement of the Deputy Chief would be in a technical training role to upgrade the technical experience of Division personnel.


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Chief, Defensive Systems Division
Scientific Intelligence

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